

ABSTRACT OF THE DISCLOSURE

A pump assembly includes a high-pressure pump that flows pressurized working fluid in a fuel injection system of a diesel engine. The assembly includes a pilot-operated inlet throttle valve that receives a flow of low-pressure fluid from a feed pump and controls the volume of fluid flowed to the high-pressure pump in response to an electronic control module for the diesel engine. The operation of the inlet throttle valve is independent of fluctuations in output pressure from the feed pump.